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UNIVERSITY OF CALIFORNIA RECORD

OCTOBER 1 TO DECEMBER 31, 1920

Volume 1 JANUARY, 1921 Number 1

9670 STUDENTS AT UNIVERSITY

Nine thousand six hundred and seventy students were in attendance at the University at Berkeley, as of date September 30, according to the statistical summary of the officers' and students' directory.

Graduate students number 952, and undergraduates 8718, while there are 1521 officers and assistants. Included in the enrollment are the students in the colleges of letters and science, commerce, agriculture, engineering, and chemistry; in the schools of architecture, education, and jurisprudence; and in the first two years of the medical school.

Last year for the corresponding semester the number of graduate students was 825, and of undergraduate students 7783, making a total of 8608 students. This means that the growth for the year is over twelve per cent.

UNIVERSITY LEADS IN REGISTRATION

With a total registration of 11,154 students, the University of California, in November, 1920, had the largest university enrollment in the United States. This was conceded officially by the authorities of New York University, heretofore thought to be larger than the University of California.

UNIVERSITY ENGINEERS STAND FIRST

University students ranked first in a psychological test given 10,000 engineering freshmen in fifty American colleges and universities. The examination was conducted by the Society for the Promotion of Engineering Education, and consisted of a test on general intelligence, and five tests on high school subjects, among which were included physics, chemistry, mathematics, and manual training.

NARROW MARGIN ON AMENDMENT 12

By the narrow margin of 4640 votes out of a total of 764,694 votes cast, Amendment 12 was lost at the election on November 2. The "no" vote was 384,667, the "yes" vote, 380,027.

UNIVERSITY BUDGET NEEDS

The Regents of the University on December 16 presented to the State Budget Committee at Sacramento an abstract of the needs of the University for the biennium 1921–1923. They ask that the cost of main-

tenance of all departments of the University be embodied in a general University fund to amount to not less than $4,438,211 annually, or $8,876,423 for the biennium.

In addition the Regents ask a special legislative appropriation of $250,000 annually, or $500,000 for the biennium, to support the teachers training department of the Southern Branch at Los Angeles; and of $100,000 annually, or $200,000 for the biennium, for the support of free beds in the University Hospital for ailing or crippled children dependent on state support.

The University's needs for new lands and buildings were separately presented with the request that they be included in the state building plan. They comprise the following: a physics building, $500,000; dormitories for men and women, $640,000; addition of $100,000 to the Haviland bequest of a quarter of a million to build an adequate home for the School of Education; new buildings for the Lick Observatory, $40,000; new buildings at the Davis Farm School, $500,000; new land for activities of the College of Agriculture, $750,000; additional land for the Southern Branch, $200,000. These items, with minor requests, total $2,833,000.

In addition, an appropriation of $2,000,000 for hospital and medical school buildings is asked for, to be contingent upon the acquisition of an equal sum from private gifts.

DEGREES CONFERRED DECEMBER 17, 1920

Three hundred seventy-two degrees were conferred upon students of the University, as of date December 17, 1920, by action of the Academic Senate, confirmed by the Board of Regents.

This is an increase of thirty per cent over 1919, when 287 degrees were conferred, and an increase of 102 per cent over 1918, when 184 degrees were granted.

Leading the list were the 269 students receiving the Bachelor of Arts degree in the College of Letters and Science. There were 52 higher degrees, of which 36 were the degree Master of Arts, 9 the degree Doctor of Philosophy, 6 the degree of Master of Science, and 1 the degree of Juris Doctor. The fifty-one students upon whom were conferred the degree Bachelor of Science were divided as follows: agriculture, 30; commerce, 11; civil engineering, 4; chemistry and mechanics, 3 each.

The number of higher degrees granted this year was double the number conferred in 1919.

DR. BORDET HITCHCOCK LECTURER

Dr. Jules Bordet, Professor of Bacteriology, Parasitology, and Epidemiology in the University of Brussels, and Director of the Pasteur Institute of Brussels, who delivered the Hitchcock lectures at the University this year on November 22, 23, and 24, is considered one of the world's greatest living bacteriologists.

Recipient of many honors, the latest and greatest of which is the Nobel prize for the year 1919, in medical science, Dr. Bordet is the discoverer of several pathogenic bacteria, notably the whooping cough bacillus and the bacillus of avian diphtheria. He is largely responsible for the physico-chemical theory of immunity, which is steadily gaining credence in opposition to the purely chemical theory sponsored by Ehrlich and the German school.

Professor Bordet is generally credited with present day knowledge of the means of defense of the body against infectious diseases, a separate science that has grown up with the science of bacteriology and to which the name of immunology has been given. He is widely known also for his personal investigations on coagulation of the blood and for the discovery of the phenomena of bacterial agglutination, precipitation and artificial hemolysins.

His lectures at the University were delivered in English.

THE BIG GAME

Victory, and with it the Pacific Coast Conference championship, came to the California football Varsity November 20, before an estimated attendance of 28,000 spectators, when the plunging Bruin backs proved the undoing of Stanford to the tune of 38–0. The Cardinals made a great stand on California Field, but were outclassed, both on the line and in the back field. At the end of the first half the score was 10–0. In the final period of the game California scored three touchdowns. A feature of the game was the publication and sale of 4000 copies of the *Daily Californian* two minutes after the last play.

During the season the Varsity scored 482 points to the opponents' 14. George Latham '21, star center, was unanimously elected captain of the 1921 Varsity.

In the morning the soccer teams of the rival universities battled to a tie score of 1–1. The four-and-a-half mile cross-country jaunt was won by California, score 17–52. Of the first ten men to finish, California placed all but fourth and seventh.

The season's scores follow:

Varsity		Opponents
21	Olympic Club	0
88	Mare Island	0
127	St. Mary's	0
79	Nevada	7
63	Utah	0
17	Oregon Aggies	7
49	Washington State	0
38	Stanford	0
482		14

CALIFORNIA 28, OHIO STATE 0

Four touchdowns by California's invincible Varsity spelled defeat for Ohio State Varsity, champions of the Middle West, in the annual football classic at Pasadena January 1, before an estimated attendance of 45,000 spectators.

The score 28 to 0 tells the story of California's superiority in all the branches of the game. The Varsity outplayed the Buckeyes, both on the line and in the forward pass.

One touchdown in the first, one in the second, and two in the third period gave California the final score.

AGRICULTURE

Prizes at International Show

Every animal entered by the University of California College of Agriculture in the Pacific International Live Stock Show at Portland, Oregon, in November, won prizes in competition with animals from all states in the Union.

Grand champion steer of the show was the title bestowed upon University of California Jock the 4th, the University senior yearling, Aberdeen Angus steer, who won also the honors of being the first prize senior yearling steer, the first prize steer, and champion Aberdeen Angus steer.

Second highest honors of the show went to the University with an award of the reserve championship with the senior yearling Shorthorn steer, California Majestic, who won also the honors of first prize senior yearling Shorthorn class, and champion Shorthorn steer of the show.

These winnings, nine first prizes and four second prizes, are the highest obtainable in the western livestock world.

In addition to winning the Grand Championship and Reserve Grand Championship, first, second, and third prizes were received on Duroc-Jersey barrows; first and second prizes on pen of Duroc-Jersey barrows; first prize on pen of Berkshire barrows; first and second prizes on Hampshire hogs; first, second, and third prizes on University sheep, and Grand Championship on wethers.

Students Win High Honors

For the first time in its history, the University of California sent a team for the judging of dairy products to the Pacific International Livestock show at Portland, Oregon. The California students were in competition with students from other western agricultural colleges, including Washington State College, Oregon Agricultural College, University of Idaho, Montana College of Agriculture, and Utah State College, and won high honors in their judgment of all the products. George R. Jaehnig, a member of California's team, was first of all students competing in

judging dairy products and cheese, Leland H. Nielson, another of the University's men, was second in judging dairy products and cheese, and first in judging market milk, and E. Spainhower averaged high in the contest. G. D. Turnbow, Assistant Professor of Dairy Industry in the University, coached the team.

University Work Nets Farmers More Money

Commanding a premium of $4.20 per ton over common barley, Mariout barley, introduced to the farmers throughout the state by the College of Agriculture of the University, has met with a favorable reception by the malsters and brewers of the English and Scotch malting trade, who are bidding from five to six shillings more per quarter on Mariout over common barley, the equivalent at the present rate of exchange being from 17 to 21 cents per hundred weight.

In introducing Mariout barley into California the State University has given to the farmer a better variety, which has enabled him to increase his yield by an average of four sacks per acre, and to grow a superior product that now commands a premium of $4.20 per ton over the common barley.

A forecast was recently made at the College of Agriculture that 200,000 acres in California this year will be planted to Mariout barley.

Agriculture College Aids 104,619 Farmers

Letters totalling 104,619 in number were written last year by the Department of Agriculture of the University of California, indicating the importance and scope of the work done in the interest of general agriculture. Tabulated by departments the letters were written as follows:

University Farm School, Davis, 27,232; Agricultural Extension, 21,840; Director's Office, 8,654; Rural Institutions, 8,091; Riverside, 6,694; Pomology, 5,645; Agricultural Education, 3,615; Viticulture, 3,173; Agronomy, 2,969; Soil Technology, 1,860; Entomology, 1,848; Soil Chemistry and Bacteriology, 1,814; Veterinary Science, 1,723; Agricultural Chemistry, 1,676; Nutrition, 1,602; Forestry, 1,511; Citriculture, 1,238; Landscape Gardening, 1,060; Plant Pathology, 1,048; Insecticides, 788; Farm Management, 419; Genetics, 119.

CONVENTIONS AND EXHIBITS

Eleven of the eighteen papers read at the twenty-second annual meeting of the Philological Association of the Pacific Coast, held in San Francisco on November 26 and 27, were written by members of the University faculty.

At the first session the following papers were presented: "The Art of Boethius' *Consolatio Philosophiae*," by A. P. McKinlay, Assistant Professor of Latin of the Southern Branch; "The Contemporary Biographers

of William Blake,'' by H. L. Bruce, Associate Professor of English; ''Box-Office and Repertory in Shakespeare's Theatre,'' by Alwin Thaler, Assistant Professor of English.

At the second session were heard the following papers: ''Ballad Imitations,'' by R. W. Gordon, Assistant Professor of English; ''What Shall We Say About Slang?'' by R. P. Utter, Associate Professor of English; ''The Punishment of Homicide in Ancient Greece,'' by G. M. Calhoun, Associate Professor of Greek; ''The Call of the Blood in the Medieval German Epic,'' by C. H. Bell, Instructor in German.

Concluding the fourth session the following papers were presented: ''Androcles and the Lion,'' by A. G. Brodeur, Assistant Professor of English; ''Bécquer's *Rimas* and Heine's *Lieder*,'' by Franklin Schneider, Instructor in German; ''*Partis Secanto* in the XII Tables,'' by Max Radin, Professor of Law; ''The Influence of Carlyle's Theory of the Hero upon Carlyle's Writings,'' by B. H. Lehman, Assistant Professor of English.

On November 18, 19, and 20 a Food Products Show, under the auspices of the Division of Pomology of the College of Agriculture, was held in Hilgard Hall. Specimens for exhibition were received from seven other states and from every section of California.

GIFTS

Miss Annie M. Alexander, the sum of $525.74 to the Museum of Vertebrate Zoology; also to the California Palaeontological Museum the collection of materials secured by a zoological expedition to eastern Oregon during the summer of 1920; also a series of casts representing skulls of the Pithecanthropus, Cro-Magnon, Piltdown, Dryopithecus, and Spy, illustrating prehistoric man, and skulls of more primitive living races, the Australian, the Hottentot, and the Bosjesman.

Alumna of the class of 1908, $500, for the establishment of the Boomerang Scholarship Fund for four years at $125 a year for the benefit of men or women undergraduate students. The donor writes that she was the recipient for four years at the University of a Levi Strauss Scholarship.

Alumnus of the class of '98, the sum of $2400 to provide certain technical assistance needed by Professor C. A. Kofoid for the completion of a monograph on human intestinal protozoa, and in connection with his work on the flagellate parasites of the termites or white ants.

Alumnus, $1000 to the University Library to be used for the purchase of books in the upbuilding of the Library of Medieval History.

American Red Cross, Washington, D. C., through Dr. Livingston Farrand, President, the sum of $3000 for the support of certain researches upon the relation of fertility and nutrition to be conducted by Dr. H. M. Evans, Professor of Anatomy.

Associated Students of the University Farm, Davis, $250, for the purpose of increasing the instruction in physical education, particularly the work in football.

Ambrose Bierce, through Miss Carrie J. Christiansen, 39 volumes from the private collection of the late Mr. Bierce, including a number of presentation copies from authors.

Dr. Norman Bridge, a check for the sum of $1000 to be used as a research fund for Dr. R. O. Moody, Associate Professor of Anatomy.

Mrs. Bertha Coope, a collection of shells from the South Seas, to the Department of Zoology. Also a small amount of conchological works largely in French, dealing with the shells.

Class in English 114, the sum of $24.25 to be used for the purchase of books for the library.

Class in English 121, the sum of $31.50 to be used for the purchase of additional books for the reserve shelf in the library.

W. E. Creed, the sum of $400 to be expended under the direction of Professor S. J. Hume, to bring to the University four art exhibitions.

E. I. DuPont de Nemours and Company, the sum of $750 to be used for the expenses of research on the use of dyes in medicine, to be made by the Department of Anatomy under the direction of Dr. H. M. Evans.

Miss Edythe Foster, a scholarship of $150 per year, in memory of Marjorie Green Foster, formerly a Teaching Fellow in the Hooper Foundation, to be awarded to a student in the Department of Research Medicine in the University of California Medical School.

Mrs. Margaret B. Fowler, the sum of $1,000 to provide assistance needed by Professor C. A. Kofoid for the completion of a monograph on important scientific subjects.

Friend of the University, $50 for the best essay on the "Ideals and Attractions of Good Citizenship," to be open to all students of the University and to be known as the "Civics Prize."

The Most Rev. Archbishop Edward J. Hanna, a set of the Catholic Encyclopedia and a copy of the Codex Iuris Canonici, which will be added to the Library of European Sources.

Mr. J. Eugene Law, to the California Museum of Vertebrate Zoology, a complete set of the Century Dictionary (twenty volumes in all).

Four hundred and fifty dollars has been raised by members of the LeConte Memorial Fellowship Committee in memory of the late Professor H. Morse Stephens, for the purpose of augmenting the LeConte Memorial Fellowship by Mr. A. P. Watts to the sum of $1200 for the academic year 1920–21. Following are the contributors: F. P. Griffiths, L. J. Kennedy, Douglas Brookman, Richard O'Connor, R. P. Merritt, J. D. Fletcher, Scott Hendricks, P. N. Gray, George L. Bell, Dean G. Witter, alumni of the University, and Regents W. E. Creed and P. E. Bowles.

Mr. William D. Sohier, an important botanical work in three volumes entitled "Plantae Asiaticae Rariores," by Nathaniel Wallich.

Swedish-American Patriotic League of California, Inc., the sum of $125, in support of the Swedish-American Patriotic League scholarship for the academic year 1920–21.

Twenty-One Mining Company, through its attorney, Mr. Frank R. Wehe, a number of exceptionally interesting and helpful mine models, which will be of value for exhibit and for demonstration purposes.

FACULTY

Dr. Benj. Ide Wheeler, President Emeritus and Professor of Comparative Philology, will give his first course for students during the spring semester of 1921. The subject will be the study of human speech, including the outlines of the science of language.

President David P. Barrows left Berkeley early in November to attend the annual meeting of the Association of American Universities and the National Association of State Universities. He has been appointed a member on the Famine Relief Committee for North China. President Barrows was made a *Chevalier de la Legion d'Honneur* by the French Republic.

E. B. Babcock, Professor of Genetics, who was in attendance as a delegate from the University of California at the annual meeting of the American Association for the Advancement of Science, in Chicago, December 27 to January 1, read two papers at the convention, one before the American Society of Naturalists on "Crepis Investigations," and one before the American Society for Horticultural Science on "Bud Selection and the Frequency of Mutations."

C. M. Gayley, Professor of the English Language and Literature, has been elected a member of the Board of Trustees of the American Field Service Fellowships for French Universities, of New York.

R. T. Holbrook, Professor of French, has been made a *Chevalier de la Legion d'Honneur* by the French Republic.

A. O. Leuschner, Professor of Astronomy, Director of the Students' Observatory, and Dean of the Graduate Division, attended the meetings of the National Academy of Sciences, the Association of American Universities, the Deans of the Graduate Schools, and the National Research Council, while on leave of absence, November 9 to December 31.

D. T. Mason, Professor of Forestry, represented the University at the Pacific Logging Congress meeting in Spokane during the month of December. Professor Mason will resume his duties at the Universitiy after an absence of nearly two years in Washington as Forest Valuation Engineer with the Bureau of Internal Revenue.

T. H. Reed, Professor of Municipal Government, left Berkeley early in December for the East, where he visited a number of universities. He attended the convention of the Political Science Association at Washington, on December 28 and 29.

C. H. Rieber, Professor of Logic, left Berkeley early in December for Europe, where he plans to do research at the universities of Cambridge and Oxford.

F. W. Woll, Professor of Animal Nutrition, who returned to the University recently after a six months' leave of absence spent in study and travel in England and Norway, in which latter country he received his early education, states that labor conditions in both countries are unsettled, but that the situation seemed likely to improve.

Donald Bruce, Associate Professor of Forestry, was one of the University's representatives at the meetings of the Pacific Logging Congress held during December in Spokane, Washington.

S. S. Maxwell, Associate Professor of Physiology, was invited to present a survey of his work and theory on "The Equilibrium Functions of the Inner Ear" at the general meeting of the American Society of Naturalists in Chicago, December 30.

S. J. Hume, Assistant Professor of Dramatic Literature and Art, and Director of the Greek Theatre, was invited by the city of St. Paul, Minnesota, to take charge of the annual Municipal Christmas celebration.

George Smithson, secretary of the correspondence instruction department of the Extension Division, was invited by the American Association for the Advancement of Science to present a paper on "What the University of California has done in Correspondence Work." The paper was read at the annual convention of the Association in Chicago, before the Social and Economic Science section of the organization.

APPOINTMENTS*

Deans: Stuart Daggett, College of Commerce, from December 1; H. R. Hatfield, Faculties, from December 1; B. M. Woods, Summer Session in Los Angeles, from November 1.

Professor: R. G. Gettell, Political Science.

Associate Professor: J. H. McDonald, Mathematics.

Assistant Professors of Military Science and Tactics: Captain L. R. Boyd, Captain P. E. Peabody, Major W. A. Robertson.

Instructors: Florence Goddard, Industrial Arts, Southern Branch (half-time), from July 1; G. H. Hunt, Applied Mechanics, Southern Branch; L. D. Lockwood, Architectural Drawing, Wilmerding School, from November 1; T. C. McFarland, Electrical Engineering; A. H. Moore, Pediatrics, from October 1; Mrs. B. K. Smith, Fine Arts, Southern Branch, from October 1.

Lecturers: W. W. Ferrier, Jr., Law; M. F. McComb, Business Law, Southern Branch, from July 1; Matt Wahrhaftig, Law.

Associates: Mrs. Annie Andrews, Mathematics; Mrs. B. M. Glantz, Industrial Arts, Southern Branch (half-time), from October 1; H. J. Greif, Music, Southern Branch, from September 13; Miss E. Lichthardt, Public Health; Olive Swezy, Research in Zoology, from October 17.

Assistants: L. C. Barnard, Pomology; C. L. Callander, Surgery, from November 1; Gladys Campbell, Mathematics (half-time); E. M. Carr, Pediatrics (Assistant Resident, University of California Hospital), from October 1; L. P. Delsasso, Physics, Southern Branch, from July 1; R. L. Douglas, Chemistry, Southern Branch, from November 15; G. P. Doyle, Otology, Rhinology and Laryngology; Elizabeth V. Ferguson, Botany, from September 1; L. Gunther, Chemistry, Southern Branch, from November 1; W. D. Horner, Ophthalmology, from October 1; Martha Jones,

* Unless otherwise stated, date from January 1, 1920, to June 30, 1920.

Pediatrics; Sophia H. Levy, to the Dean of the Graduate Division and Research Associate in Theoretical Astronomy, from October 1; H. McClanahan, Commerce, Southern Branch, from July 1; N. McGrane, Chemistry, Southern Branch, from October 30; Zilla E. Mills, Agricultural Extension, from November 16; D. M. Morison, Urology; Mrs. Mary T. Paine, Mathematics; Dorothea Phillips, Industrial Arts, Southern Branch (half-time), from July 1; J. F. Pobanz, Mathematics (half-time); J. L. Quail, Agricultural Extension, from December 1; E. C. Rebstock, Dental Surgery, from November 1; Miss Bernice Rhodes, Research in Pathology; A. H. Rowe, Biochemistry, from September 1; E. L. Stanley, Agricultural Extension, from November 16; Miss Mattie Stover, Household Science; Lulu E. Vance, Biochemistry; Elizabeth M. Wills, Agricultural Extension, from October 15; Miss Frieda Ziegley, German, from October 1.

Teaching Fellows: T. H. Crook, Geology; Lucy Freeland, Anthropology, from July 1; Vera L. Hughes, Anthropology, from July 1; Mildred Milhills, English, from October 1; A. R. Whitman, Geology.

Janitor in the Wilmerding School: A. Imperiale, from October 1.

PROMOTIONS AND CHANGES IN TITLE*

Robert G. Sproul, Comptroller of the University, from Assistant Comptroller, from October 1.

H. W. Mansfield, Assistant Professor of Mechanic Arts, Southern Branch, given additional title of Superintendent of Rehabilitation Work.

Dr. Harry Partridge, Instructor in Urology, from Assistant, from November 1.

Robert Hunter, Lecturer in Economics and English, from Lecturer in English.

Dr. W. A. Perkins, Assistant in Pathology and Surgical Pathology (two-thirds time), from Assistant in Pathology, from September 1.

Miss Gladys Murphy, Teaching Fellow in Public Speaking and Philosophy, from Teaching Fellow in Public Speaking, from September 1.

LEAVES OF ABSENCE†

Professors: W. L. Howard, Pomology, for the year 1921–22; Lincoln Hutchinson, Commerce, on the Flood Foundation; A. O. Leuschner, Astronomy, Director of the Students Observatory, and Dean of the Graduate Division, from November 9 to December 31; M. C. Lynch, Law; C. H. Rieber, Logic.

Associate Professors: J. N. Force, Epidemiology; G. H. Hart, Veterinary Science, from November 1 to June 30; T. F. Hunt, Agricultural Extension, for the year 1921–22.

Assistant Professors: A. G. Brodeur, English, from July 1 to December 31, 1920; J. T. Clark, French; M. L. Darsie, Education, Southern Branch; M. T. Rhodes, Operative Dentistry, from July 1 to June 30.

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* Date from July 1, 1920, unless otherwise noted.

† Unless otherwise designated, for the period January 1 to June 30, 1921.

Instructors: Anna P. Brooks, Fine Arts, Southern Branch, from October 1 to June 30; Alma M. Patterson, Education, Southern Branch, from October 9 to January 15; E. S. Sundstroem, Biochemistry, from September 1 to June 30.

Lecturer: M. A. Meyer, Semitic Languages and Literature, from November 9 to December 31.

Assistants: S. W. Cosby, Soil Technology, from October 1 to January 1; H. R. Kelley, Agricultural Extension, from November 1 to 15; Miss N. M. Neilson, Research Medicine on the Hooper Foundation, from December 1 to June 30; Miss E. E. Wills, Agricultural Extension, from November 1 to 7.

RESIGNATIONS*

Dean: H. R. Hatfield, College of Commerce, from November 30.

Professor: Edward Elliott, International Law and Politics.

Associate Professor: J. H. McDonald, Mathematics, from September 30.

Assistant Professor: J. R. Douglas, American Politics and Administration, and Director of the Bureau of Public Administration.

Instructors: A. L. Fisher, Orthopedic Surgery, from September 1; W. S. Wilkinson, Agronomy, from September 30.

Specialist in Agricultural Extension: E. F. Smyth.

Assistants: S. Brody, Biochemistry, from August 31; Miss D. A. Daniels, Agricultural Extension, from November 20; Mrs. Agnes K. Klamt, Agricultural Extension, from November 30; F. W. Loring, Otology, Rhinology, and Laryngology; L. W. Taylor, Agricultural Extension, from November 30; E. R. Temperli, Agricultural Extension; C. H. Tookey, Economics, from October 31; Mrs. Margaret von Hungen, German, from September 30.

Teaching Fellow: Sophie McEntyre, English, from October 1.

Teacher in the Wilmerding School: W. J. Graham, Architectural Drawing, from October 31.

Curator in the Library of French Thought: Miss Theodora Livingstone, from November 30.

Janitor in the Wilmerding School: J. E. Lozier, from September 30.

STUDENTS AND ALUMNI

For the first time in the history of the University, a Saturday edition of the *Daily Californian* appeared on the campus on October 23. In publishing a six-day edition the student newspaper is following the example of student dailies in leading eastern colleges.

The women students of the University held their annual field day at the University on November 13.

* Date from December 31, 1920, if not specified.

Debating

California-Princeton Debate

For the first time East met West in debate when the California and Princeton teams met in San Francisco in the Civic Auditorium on the evening of December 29. California was represented by Morris Ankrum '21, A. E. Murphy '23, and A. L. Webb '23, with H. M. Griffiths '22 as alternate. Princeton was represented by A. McCormac '21, captain; J. F. Currie '22, Chas. Denby '22, and R. M. Warner '22.

The question was "Resolved: That Congress Should Pass Laws Prohibiting Strikes in Essential Industries, Constitutionality Conceded." California supported the negative. The judges, Chief Justice Frank M. Angellotti, of the Supreme Court, and Justices William H. Langdon and Frank H. Kerrigan, of the District Court of Appeal, awarded the decision to California by a vote of 2–1.

China Arnold Trophy Debate

The annual debate on China for the Arnold Trophy was held Wednesday, October 20, in Wheeler Auditorium. Parliament was represented by Dorothy Manchester '22 and Geraldine Hunt '23; Senate by S. C. McClintic '21 and P. E. Johnson '23; Congress by H. M. Griffiths '22 and Herbert Tsang '22. The judges were Benj. Ide Wheeler, President Emeritus, O. K. McMurray, Professor of Law, and Max Radin, Professor of law. "Liquidation of Chinese Treaty Responsibilities," was the general question; the specific topic announced was "Resolved: That the United States Should Adopt a Definite Policy Looking to the Termination of Foreign Rights in China Prejudicial to China's Sovereignty." P. E. Johnson '23, was awarded the decision.

Congress-Senate Debate

Congress and Senate debating societies met in debate November 17 on the question "Resolved: That A National Direct Primary System for the Nomination of Presidential Candidates Should be Substituted for the Present National Party Convention."

Congress was represented by H. M. Griffiths '22, M. C. Dempster '22, and J. G. Benson '22. Senate's speakers were H. F. Bonnet '21, C. C. Hildebrand '21, and S. C. Johnson '23.

The judges were O. K. McMurray, Professor of Law, G. H. Robinson, Professor of Law, and Major L. K. Underhill. The decision was awarded to the Senate on the affirmative.

Freshman-Sophomore Debate

Freshmen and Sophomore debaters met October 11 in contest for forensic supremacy on the question, "Resolved: That the Stand Taken by the Democratic Party on the League of Nations Should Be Upheld by American Citizens." J. C. Moran, P. A. Olshausen, and R. T. Selvin were the Freshmen affirmative speakers, while the Sophomore representatives were F. Adams, S. W. Gardner, and P. E. Johnson. The decision was awarded to the Sophomores.

Honor Society Elections

Alpha Zeta

Alpha Zeta, the national agricultural honor society, elected the following: associates: Professor R. L. Adams, Professor B. A. Madson, Dr. F. M. Hayes; active: L. A. Crawford '21, R. B. Doughty '21, N. I. Nielsen '21, P. B. Sharpless '21, L. C. Merriam '21, E. W. Everett '21, K. L. Engebretson '22, Grant Merrill '22, H. K. Henderson '22, C. J. Burnham '22.

Beta Gamma Sigma

Beta Gamma Sigma, the commerce honor society, elected the following: S. B. Brown '21, E. P. Crosson '21, S. S. Kapp '21, R. A. Kern '21, R. G. Murray '21, P. B. Nelson '21, R. W. Nickell '21.

Economics Club

Economics Club elected the following: honorary: Mrs. David P. Barrows, Mrs. Margaret Sartori; active, Martha Davie '21, Evelyn Sanderson '21, Mildred Wight '21, Kathleen Lorentzen '22, Ruth Prager '22, Lillian Phillips '23.

Gamma Epsilon Pi

Gamma Epsilon Pi, women's national commerce honor society, elected the following to membership: Honorary: Ruth Moodey '18; seniors: Lenora Culpepper, Martha Davie, Verna Fuller, Anne Hegerty, Frances Milliken, Hanna Pederson, and Augusta Willett.

Iota Sigma Pi

Iota Sigma Pi, the honor society for women in chemistry, initiated the following: Beulah Boge '21, Ruby Camblin '21, and Lois Carroll '21.

Nu Sigma Psi

Nu Sigma Psi, the women's physical education honor society, initiated the following: Miss Frances Bockius, Miss Violet Marshall, and Mrs. M. B. Knight, associates in physical education. Students initiated were Dorothea Gorter '21, Fannie Taggard '21, Doris Adams '22, Esther Anderson '22, Lily Anderson '22, Edwina Barry '22, Rebecca Breed '22, Helen Gentry 22, and Grace Hutton '23.

Phi Alpha Delta

Phi Alpha Delta, legal fraternity, initiated the following: L. E. Kilkenny '98, M. V. Spicer '17, J. B. Robinson '18, I. A. Cereghino '19, H. A. Mazzera '19, H. C. Ellis '20, L. E. Graybill '20, F. M. Pearce '20.

Pi Delta Epsilon

Pi Delta Epsilon, the journalistic honor society, elected the following: R. A. Beals '21, S. N. Hornage '21, L. A. Wylie '21, F. W. Bartlett '22, B. C. Crum '22, W. W. Edmonds '22, R. L. Ingram '22, F. W. Tenney '22, C. C. Wakefield '22, M. F. York '22.

Sigma Kappa Alpha

Sigma Kappa Alpha, the women's history honor society, initiated the following: honorary: Ivander MacIver; graduates: Anna Powell, Frances Sover; seniors: Vera Strump, Beatrice Soule, Marion Kergan, Jessie Boyd, Evelyn Bullen, Elinor Malic, Wilhelmina Goodward.

Tau Beta Pi

Tau Beta Pi, national engineering and technical honor society, initiated the following: L. A. Ashley '21, C. E. Baston '21, E. L. Butner '21, J. N. Keith '21, W. W. Maybeck '21, F. A. Moss '21, H. S. Murray '21, C. A. Pollard '21, W. H. Quinan '21, E. Smith '21, and Z. Witkin '21.

Theta Tau

Epsilon chapter of Theta Tau, national mining honor society, initiated the following: R. N. Nelson '20, R. J. Russell 20, J. L. Bennett '21, G. J. Milburn '21, H. E. Lloyd '21, G. M. Cunningham '21, J. H. Ashley '22, Q. S. Diven '22, John Metz '22, A. B. Yates '22, G. M. Wiles '23.

ALUMNI

Alumni and alumnae met this year as of old on the evening before the Big Game. Men gathered at the Commercial Club, in San Francisco, under the chairmanship of Ezra W. Decoto. Judge Everett J. Brown was toastmaster. Speakers were President Emeritus Benj. Ide Wheeler, Assistant Coach "Nibs" Price, and Warren Gregory, President of the Alumni. "Brick" Morse and a quartette and orchestra from the Glee Club entertained.

Women met at the Young Women's Christian Association building, in Berkeley, under the general chairmanship of Mrs. Jane Hawk Schuessler. Mary Bird Clayes was toastmistress. Katharine Carlton was the principal speaker of the evening.

UNIVERSITY MEETINGS

October 8—Max Radin, Professor of Law, "A Glimpse of Post-War Europe," and Charles Atwood Kofoid, Professor of Zoology and Assistant Director of the Scripps Institution for Biological Research, "Research as a Career."

October 22—Miss Martha A. Chickering '10, "Adventuring in Poland."

November 5—Herbert Hoover, "Economic Conditions."

November 19—Coach "Andy" Smith, Graduate Manager L. A. Nichols, Captain "Cort" Majors, Dean Frank H. Probert of the College of Mining, and Herman H. Phleger of the class of 1912. Football meeting. In the absence of President David P. Barrows, Dean C. L. Cory, of the College of Mechanics, presided.

HALF HOUR OF MUSIC

In the Greek Theatre on Sunday afternoons.

October 3—Mrs. Ward A. Dewey, contralto, accompanied by Mrs. G. F. Stall.

October 10—Marian Cavanaugh, child pianist.

October 17—R.O.T.C. Band: L. W. Allen, Assistant in music, director.

October 24—Florence Cole-Talbert, lyric soprano.

October 31—Alameda High School Glee Club and Orchestra.

November 7—Mary Newsom '21, soprano, and Dorothy Dukes '22, 'cellist. Christine Newsom '22, and Martha Dukes Parker, accompanists.

November 14—Southern Pacific Glee Club: J. A. Weida, director; Ruth Pepper and T. L. Smith, accompanists.

November 21—Norma MacPherson, pianist, assisted by Gretchen Zumpli, violinist.

MUSICAL AND DRAMATIC EVENTS

October 2—"King Henry IV." Part Two. Greek Theatre.

October 6—Miss Florence Lutz, "Faust: a Free Adaptation of Goethe's Poem," by Stephen Phillips and J. Comyns Carr. Auditorium, Wheeler Hall.

October 7—Three plays for marionettes, by Alfred Kreymborg. Auditorium, Wheeler Hall.

October 12—Beethoven Sonata Recital, by Sigmund Beel and George McManus. Auditorium, Wheeler Hall.

October 16—"Merry Wives of Windsor." Greek Theatre.

October 19—Second Beethoven Sonata Recital, by Sigmund Beel and George McManus, Auditorium, Wheeler Hall.

October 21—San Francisco Symphony Orchestra (first concert). Harmon Gymnasium.

October 22—"Nothing but the Truth." Mask and Dagger Society.

October 26—Third Beethoven Sonata Recital, by Sigmund Beel and George McManus. Auditorium, Wheeler Hall.

October 28—San Francisco Symphony Orchestra (second concert). Harmon Gymnasium.

October 30—"The Importance of Being Earnest." Auditorium, Wheeler Hall.

October 29—Glee Club Road Show. Harmon Gymnasium.

November 4—San Francisco Symphony Orchestra (third concert). Harmon Gymnasium.

November 5 and 6—"Mercy Me." Treble Clef Society.

November 11—San Francisco Symphony Orchestra (fourth concert). Harmon Gymnasium.

November 13—"Not So Bad," Junior Farce, by W. B. Hanley '22 and R. L. Ingram '22. "Moonshine," Curtain Raiser, by T. E. Stealey '22 and A. E. White '22. Oakland Civic Auditorium.

November 13—"The Importance of Being Earnest." Auditorium, Wheeler Hall.

November 22—Three one-act comedies. George Ade's "Nettie," Susan Glaspell's "Suppressed Desires," and St. John Hankin's "The Constant Lover." Auditorium, Wheeler Hall.

November 23—First Concert of the Berkeley Musical Association: Mr. Josef Lhevinne, pianist. Harmon Gymnasium.

November 26—Three one-act comedies. George Ade's "Nettie," Susan Glaspell's "Suppressed Desires," and St. John Hankin's "The Constant Lover."

November 27—Ibsen's four-act drama, "The Pillars of Society." Auditorium, Wheeler Hall.

December 5—Farley dancers of Sacramento, in interpretative dancing. Auditorium, Wheeler Hall. Auspices of the Fine Arts Association.

December 6—Ibsen's four-act drama, "The Pillars of Society." Auditorium, Wheeler Hall.

LECTURES

October 5—W. C. Jones, Professor of Jurisprudence and Director of the School of Jurisprudence, and O. K. McMurray, Professor of Law. Before Pre-Legal Society.

October 5—H. M. Sein '22, "Types of Pueblo Mexicans." Before Spanish Club.

October 9—A. E. Anderson, Associate in English, "College Students and the Modern Day World." Before Social Science Club.

October 10—R. G. Sproul, Assistant Comptroller, "Amendment 12." Before Channing Club.

October 11—J. H. Hildebrand, Professor of Chemistry, "Men and Women." Before Y.M.C.A.

October 11—Raffaello Piccoli, Lecturer in Italian Literature and Institutions, "Modern Italy."

October 12—Irving Pichel, "The Theatre and the University." Before Fine Arts Association.

October 13—Tasuku Harada, former President of Doshisha University, Kyoto, Japan, "Japan."

October 13—Paul Scharrenberg, Secretary-Treasurer, California State Federation of Labor, "Talking to Labor in Europe."

October 14—T. D. Beckwith, Assistant Professor of Pathology, "Action of Tissues on Certain Dye-stuffs."

October 14—Theodore Bell, "The League of Nations." Before Democratic Club.

October 14—E. P. Lewis, Professor of Physics, "Detection of Isotypes or Elements of Multiple Atomic Weights, by Positive Ray Analysis."

October 14—C. H. Rowell, Regent, and T. H. Reed, Professor of Municipal Government, "Amendment 12." Before Y.W.C.A.

October 15—A. T. Thaler, Assistant Professor of English, "The Legitimate Drama versus Show and Spectacle from Shakespeare to Sheridan."

October 18—L. G. Blochman, editor Daily Californian, "Typography."

October 18—Florian Cajori, Professor of History of Mathematics, "Magic Squares in the Orient and the Occident."

October 18—Mrs. Joseph Miller, "The Purpose of Life." Before University Theosophical Club.

October 21—E. B. Babcock, Professor of Genetics, "Genetics of Bud Selection."

October 25—E. D. Merrill, Director Philippine Bureau of Science, Manila, "The Vegetation of the Philippine Islands."

October 25—K. E. Neuhaus, Assistant Professor of Art Appreciation, "The Ideals of Painting."

October 25—A. I. Street, Director Pacific School of Current History, "History versus Mystery." Before University Theosophical Club.

October 25—Justice W. H. Waste '91, "Fundamentals of Character." Before Y. M. C. A.

October 27—D. B. Clark, Assistant in Philosophy, "Talk on the Symphonies." Illustrated at the piano by Miss Helen MacVichie.

October 27—Miss Florence Lutz, Lecturer in Voice Culture, "Shakespeare's 'Midsummer Night's Dream.'"

October 28—Irving Fisher, Professor of Economics at Yale University, and President of Pro-League Independents; Mrs. Lucia Ames Mead, author and lecturer; and T. G. Chamberlain '15; "League of Nations." Auspices Cox-Roosevelt Club.

October 28—E. E. Hall, Professor of Physics, "Pyrometry and its Application to the Manufacture of Optical Glass."

October 28—F. H. Probert, Professor of Mining and Dean of the College of Mining, "International Aspects of Natural Resources."

October 28—Dr. Ruth L. Stone, Instructor in Bacteriology, "Action of Rabbit Bile on Certain Strains of Streptococci."

October 28—C. E. Woodman, "Longfellow, the Poet of the Home." Before Newman Club.

October 28—B. M. Woods, Professor of Aerodynamics and University Examiner, "Early Experiments in Aviation." Before Allied Fliers Club.

October 29—G. P. Adams, Professor of Philosophy, "The Organization of Human Values." Before Philosophical Union.

October 29—Miss Eda Lou Walton, Teaching Fellow in English, "A Navajo Narrative Song."

November 1—Edgar Dawson, Professor of American Government, "Education in the Science of Government."

November 3—D. B. Clark, Assistant in Philosophy, "Talks on the Symphonies." Illustrated at the piano by Miss Helen MacVichie.

November 3—Woodbridge Metcalf, Professor of Forestry, "The Forests of California."

November 4—J. P. Bennett, Instructor in Pomology, "Respiration of Potatoes."

November 4—Florian Cajori, Professor of the History of Mathematics, "Surveying Instruments of Long Ago."

November 4—Dr. C. E. Woodman, Tennyson through Catholic Spectacles." Before Newman Club.

November 8—F. H. Probert, Professor of Mining and Dean of the College of Mining, "The California Creed." Before Y.W.C.A.

November 9—T. M. Putnam, Professor of Mathematics and Dean of the Undergraduate Division, "Determination of Income-Yield Bonds."

November 9—E. G. Stricklen, Assistant in Music, "Pattern Design in Musical Composition."

November 10—Bessie A. Dwyer, representative of the Philippine Press Bureau, "Yesterday and Today in the Philippine Islands."

November 10—C. W. Porter, Associate Professor of Chemistry, "Free Radicals."

November 15—R. G. Sproul, Comptroller, "The True Value in College Life." Before Y.M.C.A.

November 12—O. K. McMurray, Professor of Law, "Interesting Points of Law." Before Newman Club.

November 12—Guy Montgomery, Instructor in English, "Music and Verse Structure."

November 16—J. M. Andress, Associate Director of the National Child Health Organization, and representative of United States Department of Education, "Health Education of Children."

November 16—Carlos Bransby, Assistant Professor of Spanish. Before El Centro Espanol.

November 16—A. G. Brodeur, Assistant Professor of English Composition, "Vikings." Before Scandinavian Club.

November 16—Max Thelen, former member California State Railroad Commission, "The Young Lawyer's First Start." Before Pre-Legal Association.

November 17—Florence Lutz, Lecturer in Voice Culture, reading of "An Ideal Husband," by Oscar Wilde.

November 17—H. B. Wilson, Superintendent Berkeley Schools, "Some Aspects of the Socialized School." Before Education Club.

November 18—R. S. Minor, Professor of Physics, "X-Ray Analysis of the Structure of Metals."

November 19—Jacob Loewenberg, Assistant Professor of Philosophy, "Conflicting Trends in Idealism." Before Philosophical Union.

November 19—W. T. Mills, author, lecturer, and economist, "Industrial Democracy." Before Social Science Club.

November 20—M. H. Marvin, member of Industrial Welfare Commission, in Washington, "International Aspect of the Labor Movement." Before Cosmopolitan Club.

November 20—W. A. Setchell, Professor of Botany, "Vegetation of Tutuila Island, Samoa." Before California Botanical Society.

November 22—Alexander Kaun, Associate in Russian, "Russia Mirrored in Art."

November 23—D. V. Steed, Assistant in Mathematics, "The Lines on the General Hyper-Surface of Order $2n$-3 in Space of n Dimensions."

November 30—Raul Ramirez, Chilean Exchange Professor of Hispanic-American History, "South America Today."

November 30—B. M. Rastall, San Francisco Chamber of Commerce, "The Interest of the Business Man in City Development." Before College of Commerce Association.

December 1—R. S. Adams, Professor of Farm Management, "Selection of a Farm Wife." Before Agricultural Club.

December 2—Frederick Slate, Professor of Physics, Emeritus, "A Mechanical Pattern for Other Energy Forms."

December 3—H. H. Story, "Science and Society." Before Social Science Club.

December 6—Raffaello Piccoli, Lecturer in Italian Literature and Institutions, "St. Francis of Assisi."

December 9—F. H. Probert, Dean of the College of Mining, "International Aspects of Natural Resources."

SPECIAL LECTURE COURSES

Department of English Readings

October 5—W. M. Hart, Professor of English, "Rhymes of a Homesteader," by Elliott C. Lincoln.

October 12—H. L. Bruce, Associate Professor of English, "Tennessee's Partner," by Bret Harte, and "The Jumping Frog of Calaveras," by Mark Twain.

October 19—A. E. Anderson, Associate in English, "A Woodland Prophet," by Henry David Thoreau.

October 26—T. F. Sanford, Associate Professor of English, "Tennyson."

November 2—W. W. Lyman, Jr., Associate in English and Celtic, "Padraic Colum and Seumas O'Sullivan."

November 9—B. H. Lehman, Assistant Professor of English, "John Drinkwater's 'Abraham Lincoln.'"

November 16—A. G. Brodeur, Assistant Professor of English, "The Autocrat of the Breakfast Table," by Oliver Wendell Holmes.

November 23—S. J. Hume, Assistant Professor of Dramatic Literature and Art, "Dr. Faustus," by Christopher Marlowe.

November 30—Guy Montgomery, Instructor in English, "Old English Christmas Carols."

Extension Division

Extension Division offered a series of five lectures on "Our Roman Heritage," on Friday evenings at eight o'clock, in the lecture room, San Francisco Public Library.

October 22—Cicero: Torsten Petersson, Assistant Professor of Latin.

October 29—Horace: Clifton Price, Associate Professor of Latin.

November 5—Quintilian: L. J. Richardson, Professor of Latin.

November 12—Pompeii (illustrated): O. M. Washburn, Associate Professor of Classical Archaeology.

November 19—Caesar: M. E. Deutsch, Associate Professor of Latin

Great Books

Charles Mills Gayley, Professor of the English Language and Literature, in his course entitled "Great Books," given on Friday afternoons in the Auditorium, Wheeler Hall, discussed the philosophy of George Bernard Shaw and gave special consideration to a selection of Shaw's works.

October 7—Caesar and Cleopatra. Part V.
October 14—The Devil's Disciple.
October 21—The Devil's Disciple, II.
October 28—The Devil's Disciple, III.
November 5—Captain Brassbound's Conversion.
November 12—Captain Brassbound's Conversion, II.
November 19—Captain Brassbound's Conversion, III.
November 26—The Philosophy of George Bernard Shaw.
December 3—The Philosophy of George Bernard Shaw, II.

Hitchcock Lectures

Dr. Jules Bordet, Professor of Bacteriology, Parasitology, and Epidemiology in the University of Brussels, and Director of the Pasteur Institute, of Brussels, delivered a series of three lectures on the Hitchcock Foundation from November 22 to 24 on the following topics:

November 22—Theories of Coagulation of Blood.
November 23—Theories of Anaphylaxis.
November 24—Some New Results Relative to the Conflict of the Organism with "Invading" Microbes.

Department of Philosophy

A series of six lectures was given by Raffaello Piccoli, Lecturer in Italian Literature and Institutions, on "The Philosophy of Benedetto Croce."

October 18—Language and Art.
October 25—The Logic of Idealism.
November 1—The Economic Will.
November 8—The Moral Will.
November 15—Philosophy and History.
November 22—The Work of Croce.

Popular Science Lectures

A series of illustrated lectures in popular science, under the auspices of the California Academy of Sciences, was given on Sunday afternoons at the Academy, in Golden Gate Park.

September 26—W. W. Campbell, Director, Lick Observatory, "The Solar System."

October 3—A. O. Leuschner, Professor of Astronomy, Director of Students' Observatory, and Dean of the Graduate Division, "Comets."

October 10—R. G. Aitken, Astronomer, Lick Observatory, "The Binary Stars."

October 17—J. H. Moore, Astronomer, Lick Observatory, "The Nebulae."

November 7—E. P. Lewis, Professor of Physics, "The Spectroscope—A Key to Celestial and Atomic Mysteries."

November 14—W. F. Durand, Professor of Mechanical Engineering, Stanford University, "Some Phases of Our Modern Conquest of the Air."

November 21—R. S. Holway, Professor of Geography, "The Future of the Tropics as a Factor in World Development."

November 28—J. H. Moore, Astronomer, Lick Observatory, "Cipher Messages from the Stars."

December 5—S. D. Townley, Professor of Applied Mathematics, Stanford University, "Earthquakes on the Pacific Coast of North America—I."

December 12—S. D. Townley, Professor of Applied Mathematics, Stanford University, "Earthquakes on the Pacific Coast of North America—II."

December 19—M. E. Beal, "The United States in Haiti and Santo Domingo.

UNIVERSITY PRESS PUBLICATIONS

Agricultural Sciences

Interspecific Hybrids in Crepis. I, *Crepis capillaris* (L) Wallr. × *C. Tectorum* L, by Ernest B. Babcock and Julius L. Collins. 3 plates. Price, 20 cents.

Inbreeding and Crossbreeding in *Crepis capillaris* (L) Wallr., by Julius L. Collins. 3 plates. Price, 30 cents.

American Archaeology and Ethnology

Nabaloi Law and Ritual, by C. R. Moss. 4 plates. Price, $1.75.

Kankanay Ceremonies, by C. R. Moss. Price, 65 cents.

Botany

Plantae Mexicanae Purpusianae, X, by Townshend Stith Brandegee. Price, 10 cents.

Classical Philology

The Supposed Autographa of John the Scot, by Edward K. Rand. 11 plates. Price, 45 cents.

Geology

A Mounted Skeleton of *Mylodon harlani*, by Chester Stock. 1 plate. Price, 15 cents.

Mathematics

The Homogeneous Vector Function, by John D. Barter. Price, 35 cents.

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Lawrence Sterne and Goethe, by W. R. R. Pinger. Price, 85 cents.

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Demonstration of the Function of the Neuromotor Apparatus in Euplotes by the Method of Microdissection, by Charles V. Taylor. 5 plates, 2 text figures. Price, 85 cents.

Revision of the Avian Genus Passerella with Special Reference to the Distribution and Migration of the Races in California, by Harry S. Swarth. 4 plates, one in color. Price, $1.75.

WEINSTOCK LECTURE

The Morals of Economic Internationalism, by John Hobson. Price, $1.00.

GENERAL WORKS

Cicero: a Biography, by Torsten Petersson. 699 pages. Cloth, $5.00.